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90049 (US). CHEN, Charlie, D. [CN/US]; 3300 Sawtelle Blvd. n°306, Los Angeles, CA 90066 (US). WELSBIE, Derek [US/US]; 18420 Lemarsch Street, n°28, Northridge, CA 91325 (US).

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(74) Agent: **OLDENKAMP, David, J.**; Shapiro & Dupont LLP, 233 Wilshire Boulevard, Suite 700, Santa Monica, CA 90401 (US).

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(71) Applicant (for all designated States except US): **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 1111 Franklin Street, 12th floor, Oakland, CA 94607-5200 (US).

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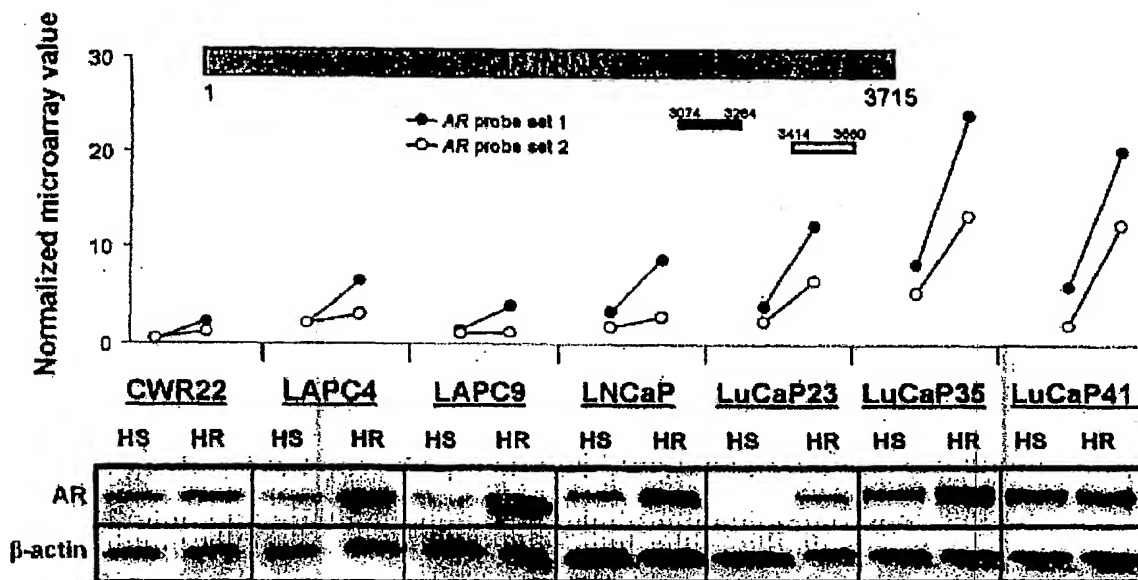
(72) Inventors; and

(75) Inventors/Applicants (for US only): **JUNG, Michael, E.** [US/US]; 2335 Manning Avenue, Los Angeles, CA 90064 (US). **OUK, Samedy** [KH/US]; 10801 Rose Avenue N°6, Los Angeles, CA 90034 (US). **SAWYERS, Charles, L.** [US/US]; 3343 Mandeville Canyon Road, Los Angeles, CA

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(54) Title: METHODS AND MATERIALS FOR ASSESSING PROSTATE CANCER THERAPIES AND COMPOUNDS



(57) Abstract: A modest (2-5 fold) increase in androgen receptor (AR) mRNA is the only expression change consistently associated with developing resistance to antiandrogen therapy. Increased levels of AR confer resistance to anti-androgens by amplifying signal output from low levels of residual ligand and altering the normal response to antagonists. This invention provides cell based assays for use in the examination of new therapeutic modalities and provides for the design of novel antiandrogen compounds.



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